

INTERIM POND WATER MANAGEMENT PLAN

(Revised March 23, 1993), Rev 4 4/1/93 to Regulators

Landfill Pond

| | | | |
|--------------------------|-------------|-----------|-------|
| Maximum Elevation | 5921 0 feet | 7 52 Mgal | 100% |
| Action Level | 5920 0 feet | 6 65 Mgal | 88 4% |
| Normal Operational Range | 5917 0 feet | 4 51 Mgal | 60% |
| | 5912 5 feet | 2 26 Mgal | 30% |

Normal Operations

Normal operation for the Landfill Pond is to spray evaporate the water over the pond. The option exists to transfer the water to Ponds A-1 and A-2 for spray evaporation.

Spray evaporation operations will be conducted during daylight hours and will not be conducted during inclement weather (humidity greater than 80% for prolonged periods, sustained wind speed in excess of 30 mph, and/or air temperatures less than 35° F).

Sampling

Prior to initiation of transfer or spray evaporation, the Landfill Pond will be sampled and analyzed for HSL metals, volatile organics, semi-volatile organics, gross alpha and gross beta, pH, and nitrates. During extended periods of transfer or spray evaporation activities, water samples will be taken quarterly (approximately June and September).

Operational Guidance

Operational decisions will be based on comparing the analytical data to Segment 5 stream standards.

If the pond water meets Segment 5 stream standards for the parameters analyzed, the water may be spray evaporated or the water may be transferred to Ponds A-1 and A-2.

If the pond water does not meet Segment 5 stream standards, treatment options will be identified and evaluated to reduce the contaminant concentrations prior to spray evaporation or transfer to Pond A-1 or A-2. The use of optional treatment technologies will be further evaluated in the IM/IRA. It may not be possible to initiate treatment prior to implementation of the IM/IRA.

Emergency Operations

Landfill Pond water may be transferred to Ponds A-1 and A-2 regardless of compliance with Segment 5 stream standards if, and only if each of the following conditions exist:

(1) the water elevation is within one foot of spillway (Action Level), and

(2) further storms are predicted or other factors prohibit spray evaporation

Notification

Prior to routine transfers or spray evaporation operations, EG&G will submit a written request and obtain approval from DOE/RFO and DOE/RFO will notify CDH and/or EPA

Concurrent with actions taken to mitigate conditions outlined under the emergency operations of the landfill pond, EG&G will notify DOE/RFO and DOE/RFO will notify CDH and/or EPA

For 1993 Season.

EG&G anticipates one transfer of approximately 1 million gallons to Ponds A-1 and A-2 in the spring

EG&G will spray evaporate approximately 2 million gallons of water from April through October

Ponds A-1 and A-2

Pond A-1

| | | | |
|--------------------------|-------------|-----------|-------|
| Maximum Elevation | 5829.1 feet | 1.40 Mgal | 100% |
| Action Level | 5828.6 feet | 1.24 Mgal | 88.6% |
| Normal Operational Range | 5827.3 feet | 0.84 Mgal | 60% |
| | 5825.9 feet | 0.42 Mgal | 30% |

Pond A-2

| | | | |
|--------------------------|-------------|-----------|-------|
| Maximum Elevation | 5816.9 feet | 6.03 Mgal | 100% |
| Action Level | 5815.9 feet | 5.21 Mgal | 86.4% |
| Normal Operational Range | 5813.7 feet | 3.62 Mgal | 60% |
| | 5810.4 feet | 1.81 Mgal | 30% |

Normal Operations

Normal operation for Ponds A-1 and A-2 is to transfer Pond A-1 to Pond A-2 and spray evaporate Pond A-2.

Spray evaporation operations will be conducted during daylight hours and will not be conducted during inclement weather (humidity greater than 80% for prolonged periods, sustained wind speed in excess of 30 mph, and/or air temperatures less than 35° F) or after containment of a spill in one of the ponds.

Sampling

Prior to initiation of transfer or spray evaporation, the pond will be sampled and analyzed for HSL metals, volatile organics, semi-volatile organics, gross alpha and gross beta, pH, and nitrates. During extended periods of transfer or spray evaporation activities, water samples will be taken quarterly (approximately June and September).

Operational Guidance

Operational decisions will be based on comparing the analytical data to Segment 5 stream standards.

If the pond water meets Segment 5 stream standards for the parameters analyzed, the water may be spray evaporated or the water may be transferred between Ponds A-1 and A-2.

If the pond water does not meet Segment 5 stream standards, treatment options will be identified and evaluated to reduce the contaminant concentrations prior to spray.

evaporation or transfer between Ponds A-1 or A-2. The use of optional treatment technologies will be further evaluated in the IM/IRA. It may not be possible to initiate treatment prior to implementation of the IM/IRA.

Emergency Operations

Pond A-1 may be transferred to Pond A-2 or Pond A-2 may be transferred to Pond A-1, regardless of compliance with Segment 5 stream standards, if each of the following conditions exist:

- (1) Pond A-1 water elevation is within 1/2 foot of the spillway and/or Pond A-2 water elevation is within one foot of the drop structure (Action Levels), and
- (2) further storms are predicted or other factors prohibit spray evaporation.

Notification

Prior to routine transfers or spray evaporation operations, EG&G will submit a written request and obtain approval from DOE/RFO and DOE/RFO will notify CDH and/or EPA.

Concurrent with actions taken to mitigate conditions outlined under the emergency operations of Pond A-1 and A-2, EG&G will notify DOE/RFO and DOE/RFO will notify CDH and/or EPA.

Concurrent with actions taken to contain a potential spill routed to Pond A-1 or A-2, EG&G will notify DOE/RFO and DOE/RFO will notify CDH and/or EPA.

For 1993 Season

EG&G will spray evaporate approximately 2 million gallons of water from April through October.

Ponds B-1 and B-2

Pond B-1

| | | | |
|--------------------------|-------------|-----------|-------|
| Maximum Elevation | 5879.6 feet | 0.53 Mgal | 100% |
| Action Level | 5879.1 feet | 0.43 Mgal | 81.1% |
| Normal Operational Range | 5878.5 feet | 0.33 Mgal | 60% |
| | 5877.5 feet | 0.17 Mgal | 30% |

Pond B-2

| | | | |
|--------------------------|-------------|-----------|-------|
| Maximum Elevation | 5868.9 feet | 1.56 Mgal | 100% |
| Action Level | 5867.9 feet | 1.25 Mgal | 80.1% |
| Normal Operational Range | 5866.8 feet | 0.94 Mgal | 60% |
| | 5864.6 feet | 0.47 Mgal | 30% |

Normal Operations.

Normal operation for Ponds B-1 and B-2 is to transfer Pond B-1 to Pond B-2 and then transfer Pond B-2 to Pond A-2 for spray evaporation.

Spray evaporation operations will be conducted during daylight hours and will not be conducted during inclement weather (humidity greater than 80% for prolonged periods, sustained wind speed in excess of 30 mph, and/or air temperatures less than 35°F) or after containment of a spill in one of the ponds.

Sampling

Prior to initiation of transfer or spray evaporation, the pond will be sampled and analyzed for HSL metals, volatile organics, semi-volatile organics, gross alpha and gross beta, pH, and nitrates. During extended periods of transfer or spray evaporation activities, water samples will be taken quarterly (approximately June and September).

Operational Guidance

Operational decisions will be based on comparing the analytical data to Segment 5 stream standards.

If the pond water meets Segment 5 stream standards for the parameters analyzed, the water may be spray evaporated at Pond B-2 or the water may be transferred to Pond A-2 and spray evaporated. Spray evaporation capabilities do not currently exist at Pond B-2, but are being evaluated.

If the pond water does not meet Segment 5 stream standards, treatment options will be identified and evaluated to reduce the contaminant concentrations prior to spray.

evaporation or transfer to Pond A-2. The use of optional treatment technologies will be further evaluated in the IM/IRA. It may not be possible to initiate treatment prior to implementation of the IM/IRA.

Emergency Operations

Pond B-1 may be transferred to Pond B-2 and then Pond B-2 may be transferred to Pond A-2, regardless of compliance with Segment 5 stream standards, if each of the following conditions exist:

- (1) Pond B-1 water elevation is within 1/2 foot of the drop structure and/or Pond B-2 water elevation is within one foot of the drop structure (Action Levels), and
- (2) further storms are predicted or other factors prohibit spray evaporation.

Notification

Prior to routine transfers or spray evaporation operations, EG&G will submit written requests and obtain approval from DOE/RFO and DOE/RFO will notify CDH and/or EPA.

Concurrent with actions taken to mitigate conditions as outlined under the emergency operations of Pond B-1 and B-2, EG&G will notify DOE/RFO and DOE/RFO will notify CDH and/or EPA.

Concurrent with actions taken to contain a potential spill routed to Pond B-1 or B-2, EG&G will notify DOE/RFO and DOE/RFO will notify CDH and/or EPA.

For 1993 Season

EG&G will conduct two transfers of approximately 0.3 million gallons to Pond A-2 (spring and fall). The water will be spray evaporated at Pond A-2 from April through October.

Ponds A-3, B-5, and A-4

Pond A-3

| | | | |
|--------------------------|-------------|-----------|------|
| Maximum Elevation | 5793 0 feet | 12 4 Mgal | 100% |
| Normal Operational Range | 5788 1 feet | 6 2 Mgal | 50% |
| | 5781 5 feet | 1 2 Mgal | 10% |

Pond B-5

| | | | |
|--------------------------|-------------|-----------|------|
| Maximum Elevation | 5803 9 feet | 24 0 Mgal | 100% |
| Normal Operational Range | 5796 5 feet | 12 0 Mgal | 50% |
| | 5785 8 feet | 2 4 Mgal | 10% |

Pond A-4

| | | | |
|--------------------------|-------------|-----------|------|
| Maximum Elevation | 5757 9 feet | 32 5 Mgal | 100% |
| Normal Operational Range | 5753 3 feet | 21 1 Mgal | 65% |
| | 5741 0 feet | 3 3 Mgal | 10% |

Normal Operations

Transfer of Pond B-5 and discharge of Pond A-3 to Pond A-4 are initiated when their volumes approach 50%

Pond A-4 will be maintained near 50% and will not exceed 65%

Transfer and discharge to Pond A-4 will be discontinued prior to a pre-discharge sampling event with CDH

If the transfer/discharge of water into Pond A-4 would cause its level to exceed 65%, Pond B-5 and/or Pond A-3 may be transferred to Pond A-4 during its discharge

After completion of a Pond A-4 discharge, the cycle will be re-initiated. A discharge cycle requires approximately 6 weeks to complete

Sampling

Prior to discharge, a pre-discharge sampling event will be conducted with CDH. The pond will be sampled to ensure compliance with the Segment 4 stream standards

Operational Guidance

Pond A-4 water meeting Segment 4 stream standards will be discharged without treatment

Pond A-4 water not meeting Segment 4 stream standards may be treated using available GAC units, as appropriate, and recirculated to Pond A-4 until analysis indicates compliance with Segment 4 stream standards

Emergency Operations.

Emergency operations will be consistent with the RFP procedure, Water Detention Pond Dam Failure, 1-15200-EPIP-12 14

Notification.

After analytical results have been reviewed, EG&G will submit a written request and obtain approval to discharge Pond A-4 from DOE/RFO and DOE/RFO will receive concurrence from CDH and/or EPA

For the 1993 season.

EG&G will complete transfer/discharge cycles about every 6 weeks, with approximately 16 million gallons of water discharged offsite during each cycle

During high precipitation periods (spring runoff) Pond B-5 and/or Pond A-3 may have to be transferred to Pond A-4 while the Pond A-4 is being discharged

Pond C-2

| | | | |
|--------------------------|-------------|-----------|------|
| Maximum Elevation | 5765.3 feet | 22.8 Mgal | 100% |
| Normal Operational Range | 5760.3 feet | 11.4 Mgal | 50% |
| | 5753.5 feet | 2.3 Mgal | 10% |

Normal Operations

Normally, discharge of Pond C-2 will be initiated when its volume approaches 50%

Pond C-2 is discharged via pipeline to the Broomfield Diversion Ditch

Sampling

Prior to discharge, a pre-discharge sampling event will be conducted with CDH. The pond will be sampled to ensure compliance with the Segment 4 stream standards.

Operational Guidance

Pond C-2 water meeting Segment 4 stream standards will be discharged without treatment.

Pond C-2 water not meeting Segment 4 stream standards may be treated using available GAC units, as appropriate, and recirculated to Pond C-2 until analysis indicates compliance with Segment 4 stream standards.

Emergency Operations

Emergency discharges will be consistent with the RFP procedure, Water Detention Pond Dam Failure, 1-15200-EPIP-12.14

Notification

After analytical results have been reviewed, EG&G will submit a written request and obtain approval to discharge Pond C-2 from DOE/RFO and DOE/RFO will receive concurrence from CDH and/or EPA.

For the 1993 season

EG&G anticipates that only one discharge will be required after the spring runoff events. The volume discharged offsite should be approximately 12 million gallons.

Depending on the number and intensity of storm events in the spring, summer, and fall, additional discharge events may be required.

JAN 1990 - NOV 1991 POND ANALYSIS

| CHEMICAL CLASSIFICATION | POND A-1 ANALYTES DETECTED | POND A-2 ANALYTES DETECTED | POND B-1 ANALYTES DETECTED | POND B-2 ANALYTES DETECTED |
|-------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
|-------------------------|----------------------------|----------------------------|----------------------------|----------------------------|

| | | | | |
|-----------|---------|--|---------|---------|
| VOLATILES | Acetone | | Acetone | Acetone |
| | | | | |
| | | | | TCE |

| | | | | |
|----------------|--|--|--|--|
| SEMI-VOLATILES | | | | |
|----------------|--|--|--|--|

| | | | | |
|--------------|------------------------|-------------------------|--------------------------|------------------------|
| METHOD 502 2 | 1,2,4 Trimethylbenzene | 1,2,3 Trichlorobenzene | Chloroform | 1,1,1 Trichloroethane |
| | Hexachlorobutadiene | 1,2,4 Trichlorobenzene | | 1,2,4 Trichlorobenzene |
| | | Dichlorodifluoromethane | POE | Carbon Tetrachloride |
| | POE | POE | TCE | Chloroform |
| | n-Butylbenzene | TCE | | POE |
| | | Cis-1,3 Dichloropropene | | Toluene |
| | | | | TCE |
| | | | | Vinyl Chloride |
| | | | Cis-1,2 Dichloroethene | |
| | | | Trans-1,2 Dichloroethene | |

| | | | | |
|-----------|----------|----------|----------|--|
| TRIAZINES | Atrazine | Atrazine | Atrazine | |
|-----------|----------|----------|----------|--|

| | | | | |
|----------------|--|--|--|--|
| PAH METHOD 610 | | | | |
|----------------|--|--|--|--|

SHADED AREA INDICATES THAT THE ANALYTE IS ABOVE SEGMENT 5 STREAM STANDARD

INTERIM POND WATER MANAGEMENT PLAN

Landfill Pond

| | | | |
|--------------------------|-------------|-----------|-------|
| Maximum Elevation | 5921 0 feet | 7 52 Mgal | 100% |
| Action Level | 5920 0 feet | 6 65 Mgal | 88 4% |
| Normal Operational Range | 5917 0 feet | 4 51 Mgal | 60% |
| | 5912 5 feet | 2 26 Mgal | 30% |

Normal Operations.

Normal operation for the Landfill Pond is to spray evaporate the water over the pond. The option exists to transfer the water to Ponds A-1 and A-2 for spray evaporation.

Spray evaporation operations will be conducted during daylight hours and will not be conducted during inclement weather (humidity greater than 80% for prolonged periods, sustained wind speed in excess of 30 mph, and/or air temperatures less than 35° F).

Sampling

Prior to initiation of transfer or spray evaporation, the Landfill Pond will be sampled and analyzed for HSL metals, volatile organics, gross alpha and gross beta, pH, and nitrates. During extended periods of transfer or spray evaporation activities, water samples will be taken quarterly (approximately June and September).

Operational Guidance.

Operational decisions will be based on comparing the analytical data to LDR F039 waste water standards and Segment 5 stream standards.

If the pond water meets LDR standards for the parameters analyzed, the water may be spray evaporated.

If the pond water meets Segment 5 stream standards for the parameters analyzed, the water may be transferred to Ponds A-1 and A-2.

If the pond water does not meet LDR F039 standards or Segment 5 Stream Standards, treatment options will be identified, evaluated and instituted to reduce contaminant concentrations prior to spray evaporation. Treatment options may include aeration, granular activated carbon (GAC), or bio-remediation.

Emergency Operations.

Landfill Pond water may be transferred to Ponds A-1 and A-2 regardless of compliance with LDR F039 and Segment 5 Stream Standards if, and only if each of the following conditions exist:

- (1) the water elevation is within one foot of spillway (Action Level), and
- (2) further storms are predicted or other factors prohibit spray evaporation,

Notification.

Prior to all transfers or spray evaporation operations, EG&G will submit a written request and obtain approval from DOE/RFO and DOE/RFO will notify CDH and/or EPA

For 1993 Season

EG&G anticipates one transfer of approximately 1 million gallons to Ponds A-1 and A-2 in the spring

EG&G will spray evaporate approximately 2 million gallons of water from April through October

Ponds A-1 and A-2

Pond A-1

| | | | |
|--------------------------|-------------|-----------|-------|
| Maximum Elevation | 5829 1 feet | 1 40 Mgal | 100% |
| Action Level | 5828 6 feet | 1 24 Mgal | 88 6% |
| Normal Operational Range | 5827 3 feet | 0 84 Mgal | 60% |
| | 5825 9 feet | 0 42 Mgal | 30% |

Pond A-2

| | | | |
|--------------------------|-------------|-----------|-------|
| Maximum Elevation | 5816 9 feet | 6 03 Mgal | 100% |
| Action Level | 5815 9 feet | 5 21 Mgal | 86 4% |
| Normal Operational Range | 5813 7 feet | 3 62 Mgal | 60% |
| | 5810 4 feet | 1 81 Mgal | 30% |

Normal Operations.

Normal operation for Ponds A-1 and A-2 is to transfer Pond A-1 to Pond A-2 and spray evaporate Pond A-2

Spray evaporation operations will be conducted during daylight hours and will not be conducted during inclement weather (humidity greater than 80% for prolonged periods, sustained wind speed in excess of 30 mph, and/or air temperatures less than 35° F) or after containment of a spill in one of the ponds

Sampling.

Prior to initiation of transfer or spray evaporation, the pond will be sampled and analyzed for HSL metals, volatile organics, gross alpha and gross beta, pH, and nitrates. During extended periods of transfer or spray evaporation activities, water samples will be taken quarterly (approximately June and September).

Operational Guidance.

Operational decisions will be based on comparing the analytical data to LDR F039 waste water standards and Segment 5 stream standards.

If the pond water meets LDR standards for the parameters analyzed, the water may be spray evaporated.

If the pond water meets Segment 5 stream standards for the parameters analyzed, the water may be transferred to Ponds A-1 and A-2.

If the pond water does not meet LDR F039 standards or Segment 5 Stream Standards, treatment options will be identified, evaluated and instituted to reduce contaminant concentrations prior to spray evaporation. Treatment options may include aeration, granular activated carbon (GAC), or bio-remediation.

Emergency Operations.

Pond A-1 may be transferred to Pond A-2 or Pond A-2 may be transferred to Pond A-1, dependent on each of the ponds available capacity, if each of the following conditions exist:

- (1) Pond A-1 water elevation is within 1/2 foot of the spillway and/or Pond A-2 water elevation is within one foot of the drop structure (Action Levels), and
- (2) further storms are predicted or other factors prohibit spray evaporation, and

Notification.

Prior to all transfers or spray evaporation operations, EG&G will submit a written request and obtain approval from DOE/RFO and DOE/RFO will notify CDH and/or EPA.

Concurrent with actions taken to contain a potential spill in Pond A-1 or A-2, EG&G will notify DOE/RFO and DOE/RFO will notify CDH and/or EPA. *by routing to CDH*

For 1993 Season.

EG&G will spray evaporate approximately 2 million gallons of water from April through October.

Ponds B-1 and B-2

Pond B-1

| | | | |
|--------------------------|-------------|-----------|-------|
| Maximum Elevation | 5879.6 feet | 0.53 Mgal | 100% |
| Action Level | 5879.1 feet | 0.43 Mgal | 81.1% |
| Normal Operational Range | 5878.5 feet | 0.33 Mgal | 60% |
| | 5877.5 feet | 0.17 Mgal | 30% |

Pond B-2

| | | | |
|--------------------------|-------------|-----------|-------|
| Maximum Elevation | 5868.9 feet | 1.56 Mgal | 100% |
| Action Level | 5867.9 feet | 1.25 Mgal | 80.1% |
| Normal Operational Range | 5866.8 feet | 0.94 Mgal | 60% |
| | 5864.6 feet | 0.47 Mgal | 30% |

Normal Operations.

Normal operation for Ponds B-1 and B-2 is to transfer Pond B-1 to Pond B-2 and then transfer Pond B-2 to Pond A-2 for spray evaporation.

Spray evaporation operations will be conducted during daylight hours and will not be conducted during inclement weather (humidity greater than 80% for prolonged periods, sustained wind speed in excess of 30 mph, and/or air temperatures less than 35° F) or after containment of a spill in one of the ponds.

Sampling.

Prior to initiation of transfer or spray evaporation, the pond will be sampled and analyzed for HSL metals, volatile organics, gross alpha and gross beta, pH, and nitrates. During extended periods of transfer or spray evaporation activities, water samples will be taken quarterly (approximately June and September).

Operational Guidance.

Operational decisions will be based on comparing the analytical data to LDR F039 waste water standards and Segment 5 stream standards.

If the pond water meets LDR standards for the parameters analyzed, the water may be spray evaporated at Pond B-2. However, spray evaporation capabilities do not currently exist at Pond B-2, but are being evaluated.

If the pond water meets Segment 5 stream standards for the parameters analyzed, the water may be transferred to Ponds A-2 and spray evaporated.

If the pond water does not meet LDR FO39 standards or Segment 5 Stream Standards, treatment options will be identified, evaluated and instituted to reduce contaminant concentrations prior to spray evaporation. Treatment options may include aeration, granular activated carbon (GAC), or bio-remediation.

Emergency Operations.

Pond B-1 may be transferred to Pond B-2 and then Pond B-2 may be transferred to Pond A-2, if each of the following conditions exist

- (1) Pond B-1 water elevation is within 1/2 foot of the drop structure and/or Pond B-2 water elevation is within one foot of the drop structure (Action Levels), and
- (2) further storms are predicted or other factors prohibit spray evaporation

Notification

Prior to all transfers or spray evaporation operations, EG&G will submit written requests and obtain approval from DOE/RFO and DOE/RFO will notify CDH and/or EPA

Concurrent with actions taken to contain a potential spill ^{by routing flows} in Pond B-1 or B-2, EG&G will notify DOE/RFO and DOE/RFO will notify CDH and/or EPA

For 1993 Season.

EG&G will conduct two transfers of approximately 0.3 million gallons to Pond A-2 (spring and fall). The water will be spray evaporated at Pond A-2 from April through October.

Ponds A-3, B-5, and A-4

Pond A-3

| | | | |
|--------------------------|-------------|-----------|------|
| Maximum Elevation | 5793.0 feet | 12.4 Mgal | 100% |
| Normal Operational Range | 5788.1 feet | 6.2 Mgal | 50% |
| | 5781.5 feet | 1.2 Mgal | 10% |

Pond B-5

| | | | |
|----------------------------------|-------------|-----------|------|
| Maximum Elevation | 5803.9 feet | 24.0 Mgal | 100% |
| Normal Operational Range | 5796.5 feet | 12.0 Mgal | 50% |
| | 5785.8 feet | 2.4 Mgal | 10% |
| Piezometer Level Action Point | 5781.5 feet | | |

Pond A-4

| | | | |
|--------------------------|-------------|-----------|------|
| Maximum Elevation | 5757.9 feet | 32.5 Mgal | 100% |
| Normal Operational Range | 5753.3 feet | 21.1 Mgal | 65% |
| | 5741.0 feet | 3.3 Mgal | 10% |

Guidelines.

Transfer of Pond B-5 and discharge of Pond A-3 to Pond A-4 are initiated when their volumes approach 50%

Pond A-4 will be maintained near 50% and will not exceed 65%

If the transfer/discharge of water into Pond A-4 would cause the level to exceed 65%, Pond B-5 and/or Pond A-3 may be transferred to Pond A-4 during its discharge. Additionally, Pond B-5 may be transferred to Pond A-4 if the piezometer level of WH-2 at Pond B-5 exceeds 5781.5 feet

Transfer and discharge to Pond A-4 will be discontinued prior to a pre-discharge sampling event with CDH

After analytical results have been reviewed, EG&G will submit a written request and obtain approval to discharge Pond A-4 from DOE/RFO and DOE/RFO will receive concurrence from CDH and/or EPA

Pond A-4 water meeting Segment 4 Stream Standards will be discharged without further treatment

Pond A-4 water ^{to} not meeting Segment 4 Stream Standards will be treated using GAC and recirculated ~~in~~ Pond A-4 until sampling analysis indicates compliance with Segment 4 Stream Standards. After analytical results have been reviewed, EG&G will submit a written request and obtain approval to discharge Pond A-4 from DOE/RFO and DOE/RFO will receive concurrence from CDH and/or EPA

After completion of the Pond A-4 discharge, the cycle will be re-initiated. A discharge cycle requires approximately 6 weeks to complete

Emergency Operations.

Emergency discharges will be consistent with the Environmental Protection Implementation Plan (EPIP)

For the 1993 season.

EG&G will complete transfer/discharge cycles about every 6 weeks, with approximately 16 million gallons of water discharged offsite during each cycle

During high precipitation periods (spring runoff) Pond B-5 and/or Pond A-3 may have to be transferred to Pond A-4 while the Pond A-4 is being discharged

Pond C-2

| | | | |
|--------------------------|-------------|-----------|------|
| Maximum Elevation | 5765.3 feet | 22.8 Mgal | 100% |
| Normal Operational Range | 5760.3 feet | 11.4 Mgal | 50% |
| | 5753.5 feet | 2.3 Mgal | 10% |

Guidelines.

Normally, discharge of Pond C-2 will be initiated when its volume approaches 50%

Prior to discharge, a pre-discharge sampling event with CDH will be initiated

After analytical results have been reviewed, EG&G will submit a written request and obtain approval to discharge Pond A-4 from DOE/RFO and DOE/RFO will receive concurrence from CDH and/or EPA

Pond A-4 water meeting Segment 4 Stream Standards will be discharged without further treatment

Pond C-2 water not meeting Segment 4 Stream Standards will be treated using GAC and recirculated ^{to} in Pond C-2 until sampling analysis indicates compliance with Segment 4 Stream Standards. After analytical results have been reviewed, EG&G will submit a written request and obtain approval to discharge Pond C-2 from DOE/RFO and DOE/RFO will receive concurrence from CDH and/or EPA

Pond C-2 is discharged via pipeline to the Broomfield Diversion Ditch

Emergency Operations.

Emergency discharges will be consistent with the Environmental Protection Implementation Plan (EPIP)

For the 1993 season.

EG&G anticipates that only one discharge will be required after the spring runoff events. The volume discharged offsite should be approximately 12 million gallons. Depending on the number and intensity of storm events in the spring, summer, and fall, additional discharge events may be required.